
Question

[Ben Webb](#) · Oct 26, 2021

DTL Editor: How to get DocType at runtime?

Hi all,

I'm fairly new to this engine so I was wondering what the best approach for creating a dynamic mapper to downgrade from one HL7 version to another (e.g 2.4 to 2.3) with the DTL Editor, It seems like something that would be quite commonly needed but I haven't found a method that works yet,

I would like to Map any 2.4 ADT message to the same event type in a lower version (e.g DocType 2.4:ADTA01 to 2.3:ADTA01), without having to create a specific map for each trigger event and without having to specify the DocType ahead of time. At the moment I'd need 40 or so unique maps if I was to specify the docType ahead of time so was looking for a more streamlined solution.

Is there a way of using the code action in the DTL Editor to extract the MessageType and TriggerEvent from the source message at runtime, without already having an explicit DocType defined, to use it to specify the DocType for the source and target messages so the rest of the segments can be mapped?

My current approach doesn't compile but it might explain what I'm trying to do

```
SET msg=##class(EnsLib.HL7.Message).%OpenId(26872) //Bring the source message into scope
SET msgEvent = msg.FindSegmentValues("MSH:9.2") //Get the event type from MSH segment field 9, subfield 2
SET msg.DocType = "2.4:ADT"__msgEvent //Concatenate into a DocType string and replace the source docType
with this value so the engine knows the DocType at runtime
```

Any help, different approaches, or insight will be very appreciated,

Thanks,
Ben

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Product version: HealthShare 2020.2

Source URL: <https://community.intersystems.com/post/dtl-editor-how-get-doctype-runtime>